

Suprema Thermal Camera

Temperature Detection Module



Suprema Thermal Camera can be used in combination with Suprema face recognition terminals* to detect users with elevated skin temperature.

- Suprema face recognition terminals designate the upper face area, enabling Suprema Thermal Camera to measure the most accurate skin temperature.
- Suprema face recognition terminals display the temperature on GUI raising alerts when a higher than threshold temperature is detected.
- · Suprema Thermal Camera connects via USB interface making deployment quick and easy on new and retrofit installs.

^{*}Face recognition terminals must be purchased separately.

Features -



Enhanced security and safety

- · Combination of face recognition and skin temperature measurement
- \cdot Audio and visual alerts with optional alarm
- · Bypass mode for skin temperature measure only
- \cdot Temperature data can be optionally saved as event logs



Accurate temperature measurement

- \cdot Enhanced accuracy by measuring from upper face area designated by Suprema face recognition terminals
- · Fast and precise measurement using thermographic camera with 19,200 pixels per frame
- \cdot Does not require reference blackbody to measure temperature



Easy deployment

- \cdot Easy connection with Suprema face recognition terminals via USB
- $\boldsymbol{\cdot}$ Comes with a bracket for convenient deployment on new and retrofit installs



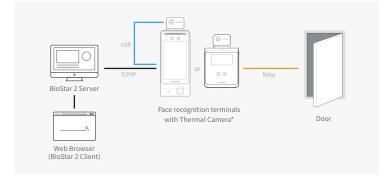
Ergonomic design for convenience

- \cdot Supports extended height range of 145 cm-210 cm for face recognition and distance of 50 cm-130 cm* for temperature measurement
- · Intuitive GUI for notifications
- \cdot Temperature can be displayed both in Celsius and Fahrenheit

Specifications -

Part Code	TCM10-FSF2	TCM10-FS2
Compatible face recognition terminal	FaceStation F2	FaceStation 2
Max. Resolution	120 x 160 (19,200 pixel)	
Frame Rate	25fps	
NETD (Noise Equivalent Temperature Difference)	≤ 50 mK (@25°C, F# = 1.0)	
Field of View	37.2° x 50° (H × V)	
Temperature Range	30°C to 45°C	
Temperature Accuracy*	<pre><±0.5°C(0.9°F)*/±0.3°C (0.5°F)**</pre>	
Temperature Distance	50 cm-130 cm	40 cm-80 cm
Interface	USB	
Operating Temperature	0°C-50°C	
Dimensions	Camera: 77 mm x 46 mm x 222 mm [3.03" x 18" x 0.8"] Camera with bracket: TCM10-FSF2-ODB: 109.89 mm x 136-99 mm x 13 mm [4.33" x 12.45" x 0.51"] TCM10-FSF2-DB: 109.89 mm x 283.39 mm x 13 mm [4.33" x 11.16" x 0.51"]	Camera: 77 mm x 46 mm x 22.2 mm (3.03" x 181" x 0.87") Camera with Bracket 139.84 mm x 163.8 mm x 22.8 mm (5.51" x 6.45" x 0.90")

System Configurations



Supported Products



Operation Example



1. Measure skin temperature at the door



Higher than threshold Within range

2. Face recognition terminal will display whether the measured skin temperature is higher than preset threshold





3. Trigger alarm & notification to admin



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For more information about Suprema's global branch offices, visit the webpage below by scanning the QR co https://www.supremainc.com/en/about/contact-us.asp

^{*}When used with FaceStation F2

^{*}For ±0.5°C accuracy, use the device:
-In recommended ambient temperature [10°C to 35°C or 50°F to 95°F)
-90 minutes after turning on for self-calibration
**According to KOLAS (Korea Laboratory Accreditation Scheme) calibration certificate